

GILA RIVER BASIN

09497980 CHERRY CREEK NEAR GLOBE, AZ

LOCATION--Lat 33° 49'40", long 110° 51'20", in SW_{1/4} sec. 30, T.6 N., R.15 E. (unsurveyed), Gila County, Hydrologic Unit 15060103, in Tonto National Forest, on right bank 0.2 mi upstream from Devils Chasm, 13 mi upstream from mouth, and 30 mi north of Globe.

DRAINAGE AREA--200 mi².

PERIOD OF RECORD--May 1965 to current year (monthly discharge only Feb. to Sept. 1979).

GAGE--Water-stage recorder. Elevation of gage is 3,200 ft above sea level, from topographic map. Prior to Jan. 17, 1979, at site 125 ft downstream at datum 2.95 ft lower.

REMARKS--Records good.

EXTREMES FOR PERIOD OF RECORD--Maximum discharge, 15,700 ft³/s Jan. 17, 1979, gage height, unknown, from slope-area measurement of peak flow; minimum daily, 2.4 ft³/s Sept. 17, 22, 25, and 29, 1978.

EXTREMES FOR CURRENT YEAR--Peak discharges greater than base discharge of 750 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
July 18.....	0945	*24	*2.54

Minimum daily discharge, 2.0 ft³/s July 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	4.1	4.5	4.8	4.8	4.8	4.3	3.5	2.4	2.1	2.6	2.7
2	4.0	4.2	4.5	4.8	4.9	4.5	4.3	3.6	2.4	2.0	2.7	3.1
3	4.0	4.2	4.5	4.8	4.8	4.5	4.2	3.6	2.4	2.2	3.9	2.9
4	4.2	4.2	5.2	4.8	4.8	4.6	4.2	3.5	2.5	2.3	3.8	2.7
5	4.1	4.4	5.3	4.8	4.8	4.8	4.1	3.4	2.6	2.3	3.2	2.7
6	4.1	4.4	4.6	4.8	4.8	4.6	4.6	3.3	2.5	2.2	4.9	2.7
7	4.4	4.2	4.6	4.8	4.8	4.8	5.0	3.2	2.5	2.2	3.1	2.7
8	4.7	4.2	4.6	4.8	4.8	6.2	4.4	3.2	2.4	2.1	2.9	3.2
9	4.5	4.2	4.6	4.8	4.8	4.9	4.2	3.1	2.3	2.3	2.8	3.2
10	4.2	4.2	4.7	4.8	4.8	4.6	4.1	3.1	2.3	2.8	2.7	3.2
11	4.1	4.2	5.1	4.8	4.8	4.6	4.0	3.0	2.4	2.6	2.7	3.6
12	4.0	4.2	5.3	4.8	4.8	4.5	3.9	3.0	2.4	2.6	2.7	3.1
13	4.0	4.2	4.9	4.8	4.8	4.5	3.8	3.0	2.3	3.0	2.6	2.9
14	4.0	4.2	4.8	4.8	4.8	4.5	3.9	3.0	2.3	2.6	2.6	2.8
15	4.0	4.2	4.9	4.8	4.8	4.5	3.9	2.9	2.3	2.8	2.5	2.8
16	3.9	4.2	4.8	4.8	4.8	4.5	4.1	2.9	2.2	3.1	2.6	2.8
17	4.0	4.2	4.8	4.8	4.8	4.6	4.0	2.9	2.2	3.1	2.6	2.7
18	3.9	4.3	4.8	4.8	4.8	4.6	3.9	2.8	2.2	10	2.6	2.7
19	3.9	4.2	4.8	4.8	4.8	4.5	3.8	2.8	2.2	5.5	2.6	2.7
20	4.0	4.3	4.8	4.8	4.8	4.5	3.8	2.8	2.2	3.7	2.7	2.7
21	3.9	4.3	4.8	4.8	4.7	4.5	3.8	2.8	2.1	3.1	2.6	2.7
22	4.1	4.3	4.8	4.8	4.5	4.5	3.7	2.8	2.1	2.9	2.6	2.7
23	4.1	4.2	4.8	4.8	4.8	4.4	3.7	2.9	2.1	2.8	2.6	2.6
24	4.1	4.2	4.8	4.8	4.8	4.4	3.6	2.8	2.2	2.8	2.5	2.6
25	4.0	4.6	4.8	4.8	4.8	4.5	3.6	2.8	2.2	3.3	2.6	2.6
26	4.0	4.5	4.8	4.8	4.6	4.4	3.5	2.8	2.2	3.1	2.5	2.6
27	4.1	4.5	4.8	4.8	4.5	4.3	3.8	2.8	2.2	2.8	2.5	2.6
28	4.1	4.5	4.8	4.8	4.8	4.3	3.9	2.7	2.2	2.7	2.6	2.6
29	4.0	4.5	4.8	4.8	4.8	4.7	3.7	2.7	2.2	2.7	2.8	2.7
30	4.1	4.5	4.8	5.0	---	4.8	3.6	2.6	2.2	2.6	2.8	2.7
31	4.1	---	4.8	5.1	---	4.4	---	2.5	---	2.6	2.6	---
TOTAL	126.4	128.6	148.9	149.3	133.6	142.8	119.4	92.8	68.7	92.9	87.5	84.3
MEAN	4.077	4.287	4.803	4.816	4.771	4.606	3.980	2.994	2.290	2.997	2.823	2.810
MAX	4.7	4.6	5.3	5.1	4.9	6.2	5.0	3.6	2.6	10	4.9	3.6
MIN	3.8	4.1	4.5	4.8	4.5	4.3	3.5	2.5	2.1	2.0	2.5	2.6
AC-FT	251	255	295	296	265	283	237	184	136	184	174	167
CFSM	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01
IN.	0.02	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.01	0.02	0.02	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2002, BY WATER YEAR (WY)

MEAN	21.30	19.57	58.42	70.79	85.71	88.77	28.83	11.46	7.028	9.346	16.01	13.95
MAX	296	101	537	652	568	423	195	65.7	18.0	28.1	84.7	151
(WY)	1973	1973	1966	1993	1980	1978	1973	1973	1973	1999	1988	1970
MIN	4.08	4.29	4.80	4.82	4.77	4.61	3.98	2.99	2.29	2.99	2.82	2.81
(WY)	2002	2002	1978	2002	2002	2002	2002	2002	2002	2000	2002	2002

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1965 - 2002

ANNUAL TOTAL	3764.8	1375.2	
ANNUAL MEAN	10.31	3.768	33.77
HIGHEST ANNUAL MEAN			130
LOWEST ANNUAL MEAN			3.77
HIGHEST DAILY MEAN	170	Mar 11	13000
LOWEST DAILY MEAN	3.0	Jul 21	Jan 17 1979
ANNUAL SEVEN-DAY MINIMUM	3.1	Jul 18	2.0
ANNUAL RUNOFF (AC-FT)	7470	2730	24460
ANNUAL RUNOFF (CFSM)	0.052	0.019	0.17
ANNUAL RUNOFF (INCHES)	0.70	0.26	2.29
10 PERCENT EXCEEDS	19	4.8	56
50 PERCENT EXCEEDS	4.9	4.0	8.1
90 PERCENT EXCEEDS	3.8	2.5	4.9